

Information Products Bulletin

December 2007

Significant Information Products under Development or Modification

The Information Products Bulletin (IPB) is a joint effort between the U.S. Environmental Protection Agency (EPA) and the Environmental Council of the States (ECOS) to inform the public about "*significant information products*" being developed by EPA and some states, and identify opportunities for stakeholder and public involvement. "*Significant information products*" include products under development or modification by EPA and states that use national or regional data to describe environmental conditions, trends, and/or the performance of companies, facilities and communities.

The products described below have been completed and released since the publication of the Interim Information Products Bulletin.

New

Air

CMAQ AMET (Atmospheric Model Evaluation Tool)

Federal vs. State: Federal

Description: The Community Multiscale Air Quality (CMAQ) modeling system was developed by the EPA National Exposure Research Laboratory in 1999. CMAQ is a modeling framework available to air quality regulators, policy makers, industry, and scientists to address multi-scale, multi-pollutant air quality concerns. The CMAQ has a unique framework and science design that enables scientists and regulators to build their own modeling system to suit their needs. Users can access pre-installed modeling systems provided by the EPA or can incorporate their own modeling systems to work within the existing framework software. The Atmospheric Model Evaluation Tool (AMET) matches observational data with the corresponding model-estimated values in space and time and then stores them in a relational database. Subsequent analysis programs extract user-specified data from the database to generate statistical plots and tables. The database-driven framework allows users to isolate data by state, region, latitude, longitude, elevation, land use, observation network, date, time of day, pollutant concentration or meteorological conditions, or any combination of these criteria. Thus far, the AMET has been beneficial in several formal evaluations of the CMAQ modeling system as documented in peer-reviewed journal articles.

Contact Information:

- **AAship:** Office of Research and Development

- **EPA Office/Organization:** National Exposure Research Laboratory
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Expected Release Date: Winter 2008

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Forum(s)/Workshop(s), Other

Product URL: www.epa.gov/sciforum/2006/poster_abstracts/global_challenges/GC_Gilliam.pdf

CMAQ Model Version 4.7

Federal vs. State: Federal

Description: The Community Multiscale Air Quality (CMAQ) modeling system was developed by the EPA National Exposure Research Laboratory in 1999 and continues to be upgraded with new releases periodically. CMAQ is a modeling framework available to air quality regulators, policy makers, industry, and scientists to address multi-scale, multi-pollutant air quality concerns. The CMAQ has a unique framework and science design that enables scientists and regulators to build their own modeling system to suit their needs. Users can access pre-installed modeling systems provided by the EPA or can incorporate their own modeling systems to work within the existing framework software. Version 4.7 provides upgrades to secondary organic aerosol (SOA) mechanism and physics. SOAs contribute organic carbon with contributes to PM2.5 which causes haze and adverse health effects. As an end product of a photochemical process, SOAs also create sulfate, nitrate and ozone. CMAQ V4.7 will be available for download from <http://www.cmascenter.org/>

Contact Information:

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- **EPA Office/Organization:** National Exposure Research Laboratory

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Expected Release Date: Winter 2008

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Forum(s)/Workshop(s), Other, Stakeholder or expert consultation

Product URL: <http://www.cmascenter.org/>

CMAQ-WRF (Weather Research Forecast)

Federal vs. State: Federal

Description: The Community Multiscale Air Quality (CMAQ) modeling system was developed by the EPA National Exposure Research Laboratory in 1999. CMAQ is a modeling framework available to air quality regulators, policy makers, industry, and scientists to address multi-scale, multi-pollutant air quality concerns. The CMAQ has a unique framework and science design that enables scientists and regulators to build their own modeling system to suit their needs. Users can access pre-installed modeling systems provided by the EPA or can incorporate their own modeling systems to work within the existing framework software. The NOAA and EPA have developed an operational Air Quality Forecasting System for the contiguous United States. The system, which couples NOAA's WRF (Weather Research Forecast) meteorological model with EPA's CMAQ model, provides public forecasts of hourly, peak 1- and 8-hour ozone (O3) concentrations throughout the summer of 2007. In order to characterize the performance of the modeling system a suite of statistical metrics that facilitates evaluation of both discrete-type forecasts (observed versus modeled concentrations of O3) and categorical-type forecasts (observed versus modeled exceedances of both the maximum 1-hr and 8-hr standards for O3) will be applied over various temporal and spatial resolutions. Ozone data from more than 1000 monitors obtained from EPA's AIRNOW monitoring network will be used in the evaluation. Model will be available for download from <http://www.cmascenter.org/>

Contact Information:

- **AAship:** Office of Research and Development

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Comment Period: None available

Stakeholder/Public Involvement Method(s): Forum(s)/Workshop(s), Other, Stakeholder or expert consultation

Product URL: http://ams.confex.com/ams/88Annual/techprogram/paper_133210.htm

Progress in Reducing the Risk from Radon in America's Homes

Federal vs. State: Federal

Description: This report will present data on the scope of the radon risk in homes, the use of residential radon mitigation systems in existing homes, and the use of radon resistant construction in new homes. The intended audience includes members of the radon mitigation industry and the construction industry, as well as federal, state, and local government officials in the radon field.

Contact Information:

- **AAship:** Office of Air and Radiation

- **EPA Office/Organization:** OAR-ORIA-IED-CR&AT (Indoor Environments Division, Center for Radon & Air Toxics)

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Expected Release Date: Winter 2007

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Stakeholder or expert consultation, Survey(s)/Questionnaire(s)

Product URL:

Cross-Media

EPA Partnership Programs Progress Report

Federal vs. State: Federal

Description: This report will look at the results of the EPA Partnership Programs as a whole and what they have contributed to the Agency's mission of protecting human health and the environment. It will highlight the accomplishments of these programs over the last several years.

Contact Information:

- **AAship:** Office of Policy, Economics, and Innovation

- **EPA Office/Organization:** National Center for Environmental Innovation

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Expected Release Date: Winter 2007

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Information fact sheet(s) and other similar materials, Web site/Web page

Product URL:

EPA Quarterly Management Report for Q4 FY 2007

Federal vs. State: Federal

Description: The Quarterly Management Report (QMR) provides timely performance data for a number of the Agency's important work areas. EPA managers use this information to review results and deliver better environmental results to the American people. This report complements the existing budget, performance, and financial management tools that make up EPA's performance management system. Because it is updated quarterly, most measures are outputs rather than environmental outcomes. However, the activities are linked to outcome-oriented Goals in EPA's 2006-2011 Strategic Plan. The QMR presents a balance of national and regional information, but does not cover all of the Agency's work. For a look at Agency progress against the broader set of performance metrics used to support EPA's budget, please see EPA's Performance and Accountability Report, which is produced annually.

Contact Information:

- **AAship:** Office of the Chief Financial Officer, Office of Environmental Information

- **EPA Office/Organization:**

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Expected Release Date: December 2007

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Mailing to stakeholders, Stakeholder meeting(s), Web site/Web page

Product URL: <http://www.epa.gov/ocfo/qmr/index.htm>

EPA's 2008 Report on the Environment: Highlights of National Trends

Federal vs. State: Federal

Description: EPA's Report on the Environment will describe national environmental conditions and trends. EPA received feedback about the 2003 Draft Report on the Environment and is applying this feedback to EPA's 2008 Report on the Environment: Highlights Document to ensure that it is useful to citizens who are interested in environmental information. The Agency also is developing EPA's 2008 Report on the Environment: Science Report, which will provide more detail about indicators and identify data gaps. The point of contact for the Science Report is Denice Shaw (703 347-8628) in the Office of Research and Development. Both reports will be available on the Internet.

Contact Information:

- **AAship:** Office of Environmental Information, Office of Research and Development

- **EPA Office/Organization:** Office of Environmental Information/Office of Information Analysis and Access

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Expected Release Date: Spring 2008

Actual Release Date:

Comment Period: 08/03/2007 - 09/17/2007

Comment Period Desc: The draft report is available at www.regulations.gov under docket ID number OEI 2007-0464. People also can download it from www.epa.gov/roe.

Stakeholder/Public Involvement Method(s): E-mail/Listserv, Federal Register notice, Focus group(s), Forum(s)/Workshop(s), Information fact sheet(s) and other similar materials, Mailing to stakeholders, Public meeting(s), Stakeholder meeting(s), Stakeholder or expert consultation, Web site/Web page

Product URL: www.epa.gov/roe

Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Vol 4: Risk Communication, 2nd Edition

Federal vs. State: Federal

Description: This document is one of a series of national guidance documents that provides states, tribes and others with cost-effective, scientifically sound methods and protocols for developing and managing local fish consumption advisories caused by the occurrence of bioaccumulative pollutants in noncommercial fish and wildlife. The guidance is developed cooperatively with state and tribal advisory programs and is used by local governmental health and environment agencies issuing fish consumption advisories.

Contact Information:

- **AAship:** Office of Water

- **EPA Office/Organization:** Office of Water/Office of Science and Technology

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Expected Release Date: Winter 2006 - 2007

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Forum(s)/Workshop(s), Mailing to stakeholders, Stakeholder meeting(s), Stakeholder or expert consultation, Web site/Web page

Product URL: www.epa.gov/waterscience/fish/

Survey Management Handbook

Federal vs. State: Federal

Description: The Survey Management Handbook provides guidance on the conduct, design and analysis of environmental surveys. The Handbook is written for use by both statisticians and non-statisticians and provides practical advice on many aspects of survey research. The Handbook and the Guide to Secondary Information Products are the first in a number of OEI information publications that will provide guidance in developing quality information products.

Contact Information:

- **AAship:** Office of Environmental Information

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Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): E-mail/Listserv, Stakeholder or expert consultation

Product URL:

Pesticides

Meso-scale Atmospheric Transport Model

Federal vs. State: Federal

Description: EPA is working with the United States Department of Agriculture - Forest Service, Department of Energy, and Department of Defense to develop a Geographic Information System-based complex terrain atmospheric transport model. This model will help the Pesticides Office estimate deposition and airborne concentrations of pesticides 1 to 100km downwind from small or large application areas.

Contact Information:

- **AAship:** Office of Prevention, Pesticides, and Toxic Substances/Office of Pesticide Programs, Office of Research and Development

- **EPA Office/Organization:** Office of Prevention, Pesticides, and Toxic Substances/Office of Pesticide Programs

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Expected Release Date: Summer 2009

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Stakeholder meeting(s), Stakeholder or expert consultation

Product URL:

Model Development for FQPA Drinking Water Exposure Assessment

Federal vs. State: Federal

Description: In October 2000, EPA, U.S. Geological Survey, and the Department of Agriculture formed an Inter-Governmental Food Quality Protection Act (FQPA) Drinking Water Steering Committee to oversee the development and validation of reliable models that can be used to more accurately predict the concentrations of pesticides at individual drinking water intakes. CropLife America, representing regulated industry, and the American Water Works Association also sit on the committee as observers. In this five-year initiative, the three federal agencies will design and conduct water monitoring studies throughout the United States and use the information from these studies to validate drinking water models at the water utility level. After the validated models are in place, the Agency will use them in acute, chronic and cancer aggregate and cumulative human health risk assessments for pesticides and in risk management decision-making. A one year phase 1 monitoring study at 5 selected sites was completed in 2003. The sampling for a phase 2 monitoring study at 6 more sites started on April 19, 2004 and has also been completed. The data from these monitoring studies will be used to validate the WARP model.

Contact Information:

- **AAship:** Office of Prevention, Pesticides, and Toxic Substances/Office of Pesticide Programs

- **EPA Office/Organization:** Office of Prevention, Pesticides, and Toxics/Office of Pesticide Programs

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Expected Release Date: Spring 2008

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Stakeholder or expert consultation

Product URL:

Tier II Groundwater Model for Carbamate Cumulative

Federal vs. State: Federal

Description: EPA is developing a Tier II Groundwater Model that will generate refined estimations of concentrations of pesticides in groundwater for the carbamate cumulative risk assessment. The Agency is working with USGS to evaluate existing vadose-zone models that can be adapted for use in this risk assessment. The three models that have been evaluated include PRZM, RZWQM, and LEACHMP. The preliminary evaluation of these models was completed and included in the Agency's cumulative carbamate assessment. In August 2005, the Scientific Advisory Panel reviewed the Agency's preliminary carbamate cumulative risk assessment and provided comments. The final evaluation for the Tier II ground water model used in the carbamate cumulative is expected to be completed in the Fall of 2006. The final evaluation for the Tier II ground water model used in the carbamate cumulative was completed September 2007 and is included in the Revised N-Methyl Carbamate Cumulative Risk Assessment (http://www.epa.gov/oppsrrd1/REDs/nmc_revised_cra.pdf).

Contact Information:

- **AAship:** Office of Prevention, Pesticides, and Toxic Substances/Office of Pesticide Programs

- **EPA Office/Organization:** Office of Prevention, Pesticides and Toxic Substances/Office of Pesticide Programs

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Expected Release Date: Fall 2007

Actual Release Date:

Comment Period: 02/15/2005 - 02/18/2005

Comment Period Title: FIFRA Scientific Advisory Panel (SAP)

Stakeholder/Public Involvement Method(s): E-mail/Listserv, Federal Register notice, Public meeting(s), Web site/Web page

Product URL: www.epa.gov/scipoly/sap

Solid Waste and Emergency Response

MSW in the U.S.: Facts and Figures

Federal vs. State: Federal

Description: Each year EPA publishes a comprehensive report on the quantity, composition, and management practices of Municipal Solid Waste (MSW) generated in the United States. The data is based on a model that tracks consumption of materials in the manufacture of consumer goods and products. Data is broken down by material (paper, glass, steel, etc.) and product (newspapers, corrugated cardboard, beverage containers, etc.) and reported in terms of amount generated, recycled, and disposed.

Contact Information:

- **AAship:** Office of Solid Waste and Emergency Response

- **EPA Office/Organization:** Office of Solid Waste and Emergency Response/Office of Solid Waste Hope Pillsbury, 703-308-7258, 703-308-8686(FAX), pillsbury.hope@epa.gov

Expected Release Date: Feb 2008

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Stakeholder or expert consultation

Product URL: www.epa.gov/msw/

National Priority Chemicals Trends Report (2001-2005)

Federal vs. State: Federal

Description: This report tracks progress being made toward the EPA OSW goal, under the Government Performance and Results Act (GPRA), to reduce the quantity of Priority Chemicals contained in wastes. The Trends Report also shows trends from 2001-2005, concerning the generation and management of the Priority Chemicals by National, EPA Region, State, county, industry sector, and federal facility levels. The report also will present the generation and management trends of the Priority Chemicals within selected industry sectors. EPA annually updates this report, using the most recent Toxics Release Inventory (TRI) data available to examine waste generation and management trends for the Priority Chemicals. The Trends Report and associated facility-specific data are only accessible at the website indicated below.

Contact Information:

- **AAship:** Office of Solid Waste and Emergency Response

- **EPA Office/Organization:** Office of Solid Waste and Emergency Response/Hazardous Waste Minimization and Management Division

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Expected Release Date: Winter 2007

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Stakeholder or expert consultation, Web site/Web page

Product URL: www.epa.gov/epaoswer/hazwaste/minimize/trends.htm

Water

Clean Watersheds Needs Survey (CWNS) Data Entry Portal

Federal vs. State: Federal

Description: EPA is moving the current Clean Water Needs Survey data entry system to the Internet between now and 2008. Moving the system to the internet will provide easier access by States for data entry, as well as extend data entry capabilities to facilities and local communities. Development of the internet-based data entry system, which began in September of 2005, will be guided by a steering group composed of representatives from EPA, States, and Local Communities. Interested parties should contact Michael Plastino, CWNS Team Leader.

Contact Information:

- **AAship:** Office of Water

- **EPA Office/Organization:** Office of Wastewater Management

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Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): E-mail/Listserv, Federal Register notice, Focus group(s), Stakeholder meeting(s), Stakeholder or expert consultation, Web site/Web page

Product URL:

CMAQ Watershed Deposition Tool

Federal vs. State: Federal

Description: The Community Multiscale Air Quality (CMAQ) modeling system was developed by the EPA National Exposure Research Laboratory in 1999. CMAQ is a modeling framework available to air quality regulators, policy makers, industry, and scientists to address multi-scale, multi-pollutant air quality concerns. The CMAQ has a unique framework and science design that enables scientists and regulators to build their own modeling system to suit their needs. Users can access pre-installed modeling systems provided by the EPA or can incorporate their own modeling systems to work within the existing framework software. The Watershed Deposition Tool (WDT) in CMAQ provides a user friendly tool for mapping the deposition estimates from CMAQ in to watersheds thus providing a scientifically sound linkage between air and water needed for TMDL (Total Maximum Daily Load) estimates and related nonpoint-source watershed analyses. This software tool takes gridded atmospheric deposition estimates from NOAA/EPA's regional, multi-pollutant air quality model, CMAQ, and allocates them to 8-digit HUCs (hydrologic cataloging units of rivers and streams) within a watershed, State or Region.

Contact Information:

- **AAship:** Office of Research and Development, Office of Air and Radiation

- **EPA Office/Organization:** National Exposure Research Laboratory
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Expected Release Date: Winter 2008

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Comment Period: None available

Stakeholder/Public Involvement Method(s): Forum(s)/Workshop(s), Information fact sheet(s) and other similar materials, Stakeholder or expert consultation, Web site/Web page

Product URL: www.epa.gov/asmdnerl/CMAQ/

National Study of Chemical Residues in Lake Fish Tissue Final Report

Federal vs. State: Federal

Description: The National Study of Chemical Residues in Lake Fish Tissue is the largest national freshwater fish contamination survey EPA has conducted to date, and it is the first national fish contamination study with sampling sites selected according to a statistical design. Over a period of 4 years (2000-2003), fish were collected from 500 lakes and reservoirs in the lower 48 states. The fish samples (one predator composite and one bottom dweller composite from each site) were analyzed for 268 persistent, bioaccumulative, and toxic (PBT) chemicals, and the results used to develop national estimates of mean concentrations of these chemicals in fish. The statistical design of the study also provides the basis for estimating the percentage of lakes and reservoirs across the country with fish tissue concentrations above or below levels of concern for human or ecosystem health. The final report will summarize the sampling design and present the statistical analysis of the cumulative 4-year fish contamination data set.

Contact Information:

- **AAship:** Office of Water

- **EPA Office/Organization:** Office of Water/Office of Science and Technology
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Expected Release Date: Fall 2007

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Forum(s)/Workshop(s), Stakeholder or expert consultation

Product URL: www.epa.gov/waterscience/fishstudy/

Updated

Cross-Media

2008 Sector Strategies Performance Report

Federal vs. State: Federal

Description: The Sector Strategies Program promotes industry-wide environmental gains through innovative partnerships with 12 manufacturing and service sectors. EPA works with sector trade groups and other stakeholders to develop policies and programs that are designed to reduce pollution and conserve resources with less administrative burden. The Sector Strategies Program measures sector-wide performance trends through quantitative metrics. Findings have been published in Performance Reports released in 2004 and 2006. The program now is developing a report for 2008. The report will use available emissions and resource data, case studies, and other performance indicators to provide a current snapshot of environmental progress in each sector. The 2008 report will, for the first time, include data on energy use and greenhouse gas emissions. This report will be used by EPA programs and many outside groups, including the sectors themselves, to refine and enhance sector-based performance improvement strategies.

Contact Information:

- **AAship:** Office of Policy, Economics, and Innovation

- **EPA Office/Organization:** Office of Policy, Economics, and Innovation

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Expected Release Date: Spring 2008

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Stakeholder or expert consultation

Product URL: www.epa.gov/sectors/performance.html

Bio-reactor Landfill State of the Practice Report

Federal vs. State: Federal

Description: EPA has developed and is in the process of publishing a report documenting the current practice of operating municipal sanitary landfills as bio-reactors. A bio-reactor landfill is one in which liquids are introduced to accelerate the microbial degradation of the waste. This is a relatively new concept that is being tested in a number of facilities around the country. The advantages of accelerating degradation include increased opportunity to recover useful gas, reduced period of time needed to provide leachate and other environmental controls, increased disposal capacity, and earlier achievement of site stability. This study describes current technical practices, operating experiences, and environmental impacts. For further information, please contact Thabet Tolaymat (information listed below), or Jennifer Goetz at goetz.jennifer@epa.gov or 513-569-7899.

Contact Information:

- **AAship:** Office of Research and Development, Office of Solid Waste and Emergency Response

- **EPA Office/Organization:** Office of Research and Development/National Risk Management Research Laboratory

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Expected Release Date: Winter 2006-2007

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Forum(s)/Workshop(s), Stakeholder meeting(s), Stakeholder or expert consultation, Survey(s)/Questionnaire(s)

Product URL:

EPA State Innovation Grant Program Progress Report - Strategic Partnership in Environmental Innovation

Federal vs. State: Federal

Description: The US EPA's National Center for Environmental Innovation (NCEI) is preparing this report primarily for our State environmental agency partners to describe the results to date for projects being conducted with support from the EPA State Innovation Grant Program. The report may also be useful to the EPA Programs and Regions to highlight the successes and progress thus far in the grant program and to help them identify further opportunity for expanding the use of innovation in permitting programs. The EPA State Innovation Grant Program was created in 2002 and funded to assist States in solving key environmental problems using innovative methods. EPA wanted to use the State Innovation Grant Program to: build more effective collaboration with States to identify areas ripe for innovation; help State Agencies identify operating cost efficiencies through innovation; realize cost or time savings for regulated entities; elicit best ideas through a competitive process with States submitting a proposal in response to an EPA solicitation; and build in measurement and evaluation essential to transferability of the innovation. The report provides an analysis of the outcomes of projects completed to date and a description of the projects still underway. Since 2002, the National Center for Environmental Innovation has made 29 project awards totaling nearly \$5M to test strategic innovation in State environmental permitting programs.

Contact Information:

- **AAship:** Office of Policy, Economics, and Innovation

- **EPA Office/Organization:** Office of Environmental Policy Innovation/ National Center for Environmental Innovation/ Office of Policy, Economics and Innovation/ Office of the Administrator
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Expected Release Date: Winter 2008

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Stakeholder or expert consultation

Product URL:

Performance Track Sixth Annual Progress Report

Federal vs. State: Federal

Description: The Performance Track Sixth Annual Progress Report will include results from the 2006 annual reports submitted by National Environmental Performance Track (Performance Track) member facilities. Cumulative results for the program since its inception in June 2000 will also be included. Results will be presented only for members that have completed a full three-year membership term. Performance Track is a voluntary partnership program that recognizes and rewards private and public facilities that demonstrate strong environmental performance beyond current requirements. The program is based on the premise that government should complement existing programs with new tools and strategies that not only protect people and the environment, but also capture opportunities for reducing cost and spurring technological innovation. Since the program's inception, Performance Track membership has grown and has produced solid results. Performance Track encourages participation by small, medium and large facilities and its members are located throughout the United States, including Puerto Rico. The program currently has nearly 500 members.

Contact Information:

- **AAship:** Office of Policy, Economics, and Innovation

- **EPA Office/Organization:** Office of Policy, Economics, and Innovation/National Center for Environmental Innovation

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Expected Release Date: Spring 2008

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): E-mail/Listserv, Hotline/Public Information Line, Information fact sheet(s) and other similar materials, Mailing to stakeholders, Stakeholder or expert consultation, Survey(s)/Questionnaire(s), Web site/Web page

Product URL: www.epa.gov/performance-track

The Pollution Abatement Costs and Expenditures Survey (PACE)

Federal vs. State: Federal

Description: The Pollution Abatement Costs and Expenditures (PACE) Survey collects data on the overall costs of complying with environmental regulations for U.S. manufacturing facilities. More specifically, the PACE survey collects data on the costs of pollution treatment (i.e., end-of-pipe controls), pollution prevention (i.e., production process enhancements to reduce pollution), disposal, and recycling. The PACE survey was conducted by the U.S. Census Bureau from 1973-1994 (except 1987) on a sample of approximately 20,000 manufacturing establishments. EPA funded the collection of the 1999 PACE data and has recently completed the redevelopment of the survey instrument to be administered by the Census Bureau in 2006 to collect 2005 data. Aggregate statistics for 2005 PACE Survey will be reported by two to six digit NAICS (North American Industry Classification System) codes, by abatement method (treatment versus prevention), media (air, water, solid waste), type of cost (capital versus operating), and state.

Contact Information:

- **AAship:** Office of Policy, Economics, and Innovation

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Expected Release Date: Spring 2008

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Federal Register notice, Other, Stakeholder meeting(s), Stakeholder or expert consultation, Survey(s)/Questionnaire(s)

Product URL:

Toxic Substances

Internet Geographical Exposure Modeling System (IGEMS)

Federal vs. State: Federal

Description: The Internet Geographical Exposure Modeling System (IGEMS), currently under development, is a modernization of several older stand-alone models. IGEMS brings together in one system several EPA environmental fate and transport models and some of the environmental data needed to run them. It also uses graphing and Geographic Information System (GIS) capabilities. IGEMS will eventually include models and data for ambient air, surface water, soil and ground water. Interactive menus guide users through selecting models, selecting and organizing data to be used as input to model runs, executing model runs, presenting model outputs, and accessing user help. With the IGEMS graphical and GIS capabilities, users can view the results as isopleths, vectors, etc., and as geographic presentations, including overlays with population and geographic location. The beta test version of IGEMS is available; the final release date will be determined after peer review.

Contact Information:

- **AAship:** Office of Prevention, Pesticides, and Toxic Substances/ Office of Pollution Prevention and Toxics

- **EPA Office/Organization:** Office of Prevention, Pesticides and Toxic Substances/Office of Pollution Prevention and Toxics

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Expected Release Date: Fall 2008

Actual Release Date:

Comment Period: 10/01/2008 - 09/30/2009

Stakeholder/Public Involvement Method(s): Forum(s)/Workshop(s), Information fact sheet(s) and other similar materials, Web site/Web page

Product URL: www.epa.gov/oppt/exposure/pubs/gems.htm

Water

Clean Watersheds Needs Survey 2004 Report to Congress

Federal vs. State: Federal

Description: The 'Clean Watersheds Needs Survey (CWNS) 2004 Report to Congress' will present the results of a joint EPA-State survey of water quality programs and projects that may be eligible for funding under the Clean Water State Revolving Fund (CWSRF). EPA prepares this report in response to section 516 of the Clean Water Act. This will be the fourteenth survey/report since 1972. The CWNS is a collaborative effort between the States and EPA. States entered data into the CWNS database during a 10-month period between May 2004 and February 2005. States obtained the necessary information from a variety of sources. State-entered data is being reviewed and analyzed in accordance with agreed-upon criteria before being accepted for inclusion in the main body of the report. State-reported needs that did not meet the criteria are reported separately as Separate State Estimates. For the purpose of CWNS 2004 a 'need' is defined as a water quality or public health problem and an associated cost that is generally eligible for funding under the CWSRF. The need had to exist on January 1, 2004, and be supported by documentation that the States and EPA agreed upon before the survey was initiated. Lacking sufficient documentation of some cost information, EPA embedded cost curves into the CWNS data entry system to enable States to estimate costs for documented needs. In addition to need and cost information, the report will summarize and report technical data, such as population, flow, and effluent quality.

Contact Information:

- **AAship:** Office of Water

- **EPA Office/Organization:** Office of Water/Office of Wastewater Management

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Expected Release Date: Early 2008

Actual Release Date:

Comment Period: None available

Stakeholder/Public Involvement Method(s): Stakeholder meeting(s), Stakeholder or expert consultation, Survey(s)/Questionnaire(s)

Product URL: www.epa.gov/cwns